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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/718,951	11/21/2003	Carlton Lane	MSFT-2787/303656.01	2907

23377 7590 03/20/2007  
WOODCOCK WASHBURN LLP  
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PHILADELPHIA, PA 19104-2891

EXAMINER
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TECKLU, ISAAC TUKU

ART UNIT	PAPER NUMBER
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2192

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	03/20/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

**Office Action Summary**

Application No.

10/718,951

Applicant(s)

LANE ET AL.

Examiner

Isaac T. Tecklu

Art Unit

2192

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 21 November 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-39 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-39 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 21 November 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>11/21/2003</u> . | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

1. This action is responsive to the application filed on 11/21/2003.
2. Claims 1-38 have been examined.

#### ***Oath/Declaration***

3. The office acknowledges receipt of a properly signed oath/declaration filed on 11/21/2003.

#### ***Drawings***

4. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description: e.g. Fig. 5, element 500. Corrected drawing sheets in compliance with 37 CFR 1.121(d), or amendment to the specification to add the reference character(s) in the description in compliance with 37 CFR 1.121(b) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

#### ***Claim Rejections - 35 USC § 112***

5. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Art Unit: 2192

6. Claims 5 and 24 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 5 and 24 recite the limitation "the database" in lines 3 and 4 respectively. There is insufficient antecedent basis for this limitation in the claim.

*Claim Rejections - 35 USC § 102*

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

8. Claims 1-38 are rejected under 35 U.S.C. 102(b) as being anticipated by Snyder (US 6,385,552 B1).

As per claim 1, Snyder discloses a method for deploying a stored procedure to a device (col. 19:59-62 "... device database ..."), the method comprising:

embedding the stored procedure (col. 16:45-50 "... utilize fully functional SQL ...") into a device database (col. 6: 40-50 "... data to be stored in normalized relational database ..." col. 19:59-62 "... device database ..." and e.g. FIG. 2, step 9 and related text);

registering the stored procedure with the device database (col. 17:40-50 "... registered with test set database ..."); and

deploying the device database to the device (col. 30:4-6, 32-39, 51-56 "... setup, install, project, device ...").

As per claim 2, Snyder discloses the method of claim 1, further comprising compiling code for the stored procedure (col. 2:23-30 "... recompiling the code ...").

As per claim 3, Snyder discloses the method of claim 1, comprising embedding a trigger into the device database (e.g. FIG. 2, step 16 and related text).

As per claim 4, Snyder discloses the method of claim 1, further comprising reserving data storage capacity for the stored procedure within the device database (e.g. FIG. 1, storage 300 and related text).

As per claim 5, Snyder discloses the method of claim 1, further comprising:  
determining whether the stored procedure has been previously embedded on the database (e.g. FIG. 2, step 4 and related text); and  
if the stored procedure has been previously embedded, then removing the previously embedded stored procedure (col. 32:35-39 "... overwriting..." and e.g. FIG. 2, step 5 and related text).

As per claim 6, Snyder discloses the method of claim 1, comprising deploying the device database to the device as part of a main device project (col. 30:4-6, 32-39, 51-56 "... setup, install, project, device ...").

As per claim 7, Snyder discloses the method of claim 1, comprising deploying the device database to the device as part of a device setup project (col. 30:4-6, 32-39, 51-56 "... setup, install, project, device ...").

As per claim 8, Snyder discloses the method of claim 1, comprising registering the stored procedure with the device database at the device (col. 17:40-50 "... registered with test set database ...").

As per claim 9, Snyder discloses a method for deploying a stored procedure to a device, the method comprising:

providing an interface that enables a user to create a data project, the data project being associated with a device database and having an assembly comprising the stored procedure; embedding the assembly within the device database (col. 19:59-63, col. 16:5-12, col. 30:32-35); registering the assembly with the device database (col. 17:40-50 "... registered with test set database ..."); and

deploying the device database to the device (col. 30:4-6, 32-39, 51-56 "... setup, install, project, device ...").

As per claim 10, Snyder discloses the method of claim 9, further comprising providing an interface displaying a view of each stored procedure associated with the device database (e.g. FIG. 3, 1200 and related text).

As per claim 11, Snyder discloses the method of claim 10, further comprising providing an interface enabling a stored procedure associated with the device database to be added to the data project (e.g. FIG. 3, 1200 and related text).

As per claim 12, Snyder discloses the method of claim 10, further comprising providing an interface enabling a stored procedure associated with the device database to be deleted from the data project (col. 17:31-39, col. 30:9-11).

As per claim 13, Snyder discloses the method of claim 9, further comprising providing an interface displaying a view of properties of each stored procedure associated with the device database (col. 16:45-50 "... utilize fully functional SQL ...").

As per claim 14, Snyder discloses the method of claim 9, further comprising compiling code for the stored procedure (col. 2:23-30 "... recompiling the code ...").

As per claim 15, Snyder discloses the method of claim 9, comprising embedding the assembly within the device database, the assembly comprising a trigger (e.g. FIG. 2, step 16 and related text).

As per claim 16, Snyder discloses the method of claim 9, further comprising: determining whether the assembly has been previously embedded on the device database (e.g. FIG. 2, step 4 and related text); and

if the assembly has been previously embedded, then removing the previously embedded assembly (col. 32:35-39 "... overwriting..." and e.g. FIG. 2, step 5 and related text).

As per claim 17, Snyder discloses the method of claim 9, comprising deploying the device database to the device as part of a main device project (col. 30:4-6, 32-39, 51-56 "... setup, install, project, device ...").

As per claim 18, Snyder discloses the method of claim 9, comprising deploying the device database to the device as part of a device setup project (col. 30:4-6, 32-39, 51-56 "... setup, install, project, device ...").

As per claim 19, Snyder discloses the method of claim 9, comprising registering the stored procedure with the device database at the device (col. 17:40-50 "... registered with test set database ...").

As per claim 20, this is the computer readable medium version of the claimed method discussed above (Claim 1), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Snyder.

As per claim 21, this is the computer readable medium version of the claimed method discussed above (Claim 2), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Snyder.

As per claim 22, this is the computer readable medium of the claimed method discussed above (Claim 3), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Snyder.

Art Unit: 2192

As per claim 23, this is the computer readable medium of the claimed method discussed above (Claim 4), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Snyder.

As per claim 24, this is the computer readable medium of the claimed method discussed above (Claim 5), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Snyder.

As per claim 25, this is the computer readable medium of the claimed method discussed above (Claim 6), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Snyder.

As per claim 26, this is the computer readable medium of the claimed method discussed above (Claim 7), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Snyder.

As per claim 27, this is the computer readable medium of the claimed method discussed above (Claim 8), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Snyder.

As per claim 28, this is the computer readable medium of the claimed method discussed above (Claim 9), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Snyder.

As per claim 29, this is the computer readable medium of the claimed method discussed above (Claim 10), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Snyder.



Art Unit: 2192

As per claim 30, this is the computer readable medium of the claimed method discussed above (Claim 11), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Snyder.

As per claim 31, this is the computer readable medium of the claimed method discussed above (Claim 12), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Snyder.

As per claim 32, this is the computer readable medium of the claimed method discussed above (Claim 13), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Snyder.

As per claim 33, this is the computer readable medium of the claimed method discussed above (Claim 14), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Snyder.

As per claim 34, this is the computer readable medium of the claimed method discussed above (Claim 15), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Snyder.

As per claim 35, this is the computer readable medium of the claimed method discussed above (Claim 16), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Snyder.

As per claim 36, this is the computer readable medium of the claimed method discussed above (Claim 17), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Snyder.

As per claim 37, this is the computer readable medium of the claimed method discussed above (Claim 18), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Snyder.

Art Unit: 2192

As per claim 38, this is the computer readable medium of the claimed method discussed above (Claim 19), wherein all claim limitations have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, these claims are also anticipated by Snyder.

***Conclusion***

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Isaac T. Tecklu whose telephone number is (571) 272-7957. The examiner can normally be reached on M-TH 9:300A - 8:00P.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Q. Dam can be reached on (571) 272-3695. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Isaac Tecklu  
Art Unit 2192

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SUPERVISORY PATENT EXAMINER